AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method for reserving resources in a packet communication network, ~~preferably an IP protocol network, this~~ wherein the packet network ~~being~~ is a hybrid network comprising both active nodes and passive nodes, wherein the active nodes ~~alone being capable of taking into account so-called~~ consider information in active packets, ~~that is to say those containing~~ said information ~~related~~ relating to ~~a corresponding~~ an execution environment ~~of these~~ of a respective active node ~~nodes~~, and wherein an active data flow ~~being~~ comprises a set of active packets ~~having to be taken into account~~ executed by ~~one and the same~~ the execution environment, the ~~said~~ method comprising ~~the steps of~~:

~~a)~~ sending ~~on the network of~~ a reservation packet ~~containing~~ comprising a request for reservation of resources constituting an execution environment for ~~an associated~~ the active data flow;

~~b)~~ receiving ~~of the~~ said reservation packet by an active node ~~of~~ in the network; and

~~c)~~ ~~reservation of~~ reserving resources of the active node according to the ~~said~~ request,

~~the said method being characterised in that the~~ wherein said reservation packet is an active packet.

2. (currently amended): The method of ~~Claim~~ claim 1, ~~characterised in that the~~ wherein said reservation packet is in ~~the~~ RSVP protocol format.

3. (currently amended): The method of ~~Claim~~ claim 1, ~~characterised in that the~~ wherein said reservation packet is ~~of the~~ a PATH type packet in accordance with ~~of the~~ RSVP protocol.

4. (currently amended): The method of claim 1, ~~characterised in that~~ wherein the reservation packet comprises an identifier of the said active data flow.

5. (currently amended): The method of ~~Claim~~ claim 1, ~~characterised in that the~~ wherein said reservation packet ~~is provided for containing~~ comprises parameters for processing data contained in ~~the~~ said ~~associated~~ active data flow, ~~this~~ wherein the processing of the data comprises ~~being a code executable~~ executing code by ~~an~~ the active node ~~of~~ in the network, and ~~in that, in the case of these processing parameters being present, the step b) is followed by~~ wherein, after receiving the reservation packet, the active node: ~~b1) a step of loading~~ loads ~~by the said active node of the said corresponding~~ the executable code; and ~~b2) a step of execution~~ executes the loaded ~~of the said~~ code ~~by the said active node~~.

6. (currently amended): The method of ~~Claim~~ claim 5, ~~characterised in that~~ wherein ~~the~~ said processing parameters ~~constitute~~ comprise ~~the~~ said code executable ~~by the said active node~~.

7. (currently amended): The method of ~~Claim~~ claim 5, ~~characterised in that~~ wherein ~~the~~ said processing parameters identify a server and ~~a~~ code downloadable by ~~the~~ said active node from ~~the~~ said server.

8. (currently amended): The method of ~~Claim~~ claim 5, ~~characterised in that~~ wherein after the active node loads the executable code, ~~it comprises, after the step b1), a step of: b3)~~ the active node sends ~~sending on the network by the said node of~~ a confirmation of said loading of the ~~said~~ executable code.

9. (currently amended): An active packet communication network node, ~~in particular an IP active router,~~ for implementing the method according to claim 1 ~~Claim 1~~, ~~characterised in that it~~ wherein the node is provided for receiving the active packets, for detecting if one of ~~a~~ the received active ~~packet~~packets is ~~a~~ the reservation packet and for reserving corresponding resources for processing the data of ~~an~~ the active data flow according to ~~a~~ the resource reservation request for the said active data flow and contained in the ~~said~~ active reservation packet.

10. (new): The method of claim 1, wherein the packet network is an IP protocol network.

11. (new): The node of claim 9, wherein the node is an IP active router.

12. (new): The method of claim 1, wherein the active packet comprises a marker in a header of the active packet, the marker indicating whether the packet is active or passive, wherein, when the marker indicates the packet is active, the marker identifies that the active packet comprises at least one of command, code, and program for execution in the active node and wherein the reservation packet has the marked indicating the packet is active.

13. (new): The method of claim 8, wherein the confirmation of said loading of the executable code indicates that said loading was successful.

14. (new): The method of claim 1, wherein the reservation packet comprises a first identifier identifying a protocol for the active data flow, a second identifier identifying a source or destination of the active data flow, and a third identifier identifying resources of the active node that are to be reserved.